

Ford Romania Intern Program Internship Workplan



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|-----------------------------|--------------------------|------------------------------|-------------------------|
| Function Name: | Robot route optimization | Supervisor Name: | D.Efrim |
| Department Name: | Maintenance | Supervisor CDSID: | eefrim |
| Assignment Location: | Stamping | Supervisor Position#: | Maintenance Senior Eng. |
| Project Description | | | |

- Stamping is responsible for producing pressed parts of body (car), it is supplier for Body Shop.
 - In Press Shop (Stamping), presses lines are automated (between presses are robots) and Cycle time of the lines depend by the speed of the presses and robots.
 - To improve the cycle time of the line it is necessary to optimize the cycle time of the robots.
- Project is: Optimization the routes of the robots in Stamping process to improve the cycle time.

Measurable Objectives

- Cycle Time of the presses line.

Expected Major Contributions

- Identify the opportunities for improvement.
- Improvement of robots programs.

Expected Benefits to Intern

- Increase Hits Per Hour.
- Increase TTP

Intern Qualifications (schooling, work experience, major)

- Robot programming studies (including, also, equipment automation)
- An appreciation of complex systems and a proactive approach to problem solving.